

LINEAR COMPRESSOR

COMPRESSOR TECHNOLOGY
for Refrigeration

Smart Total Component Solutions

LG compressors are built under precise quality standards and exacting durability requirements for the global marketplace. With LG Compressors, you can be sure to reach your targets whatever they may be.



GLOBAL NETWORK

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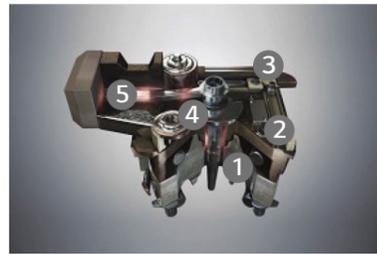


Find more at www.lg.com/global/business
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*For Continual product development, LG reserves the right to change the specifications without notice



WHY LG LINEAR COMPRESSORS?

LESS FRICTION POINTS



Inverter Reciprocating
5 friction points



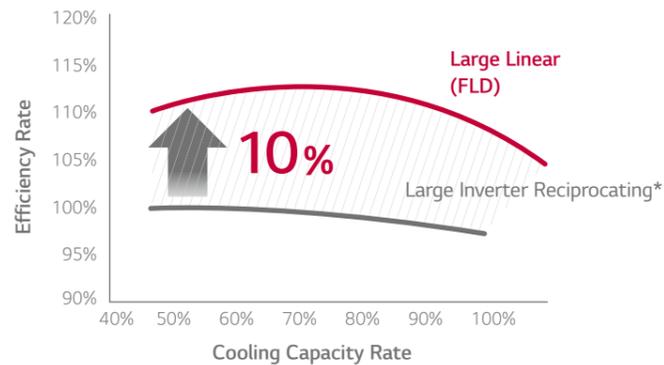
Linear
1 friction point

- **Energy Saving**
LG linear compressor has higher efficiency and less efficiency variation
- **Less Noise**
LG linear compressor runs stable without causing noise. Fewer friction points reduce the noise level. (1 instead of 5)
- **Easy Application**
LG linear compressor has better responsiveness of control.

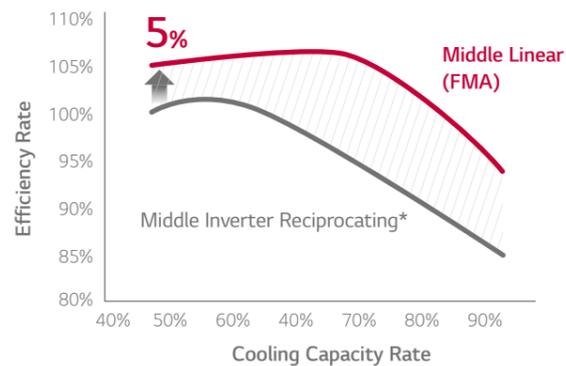
APPLICATIONS



Side by Side French Door
(800 Liter ↑)



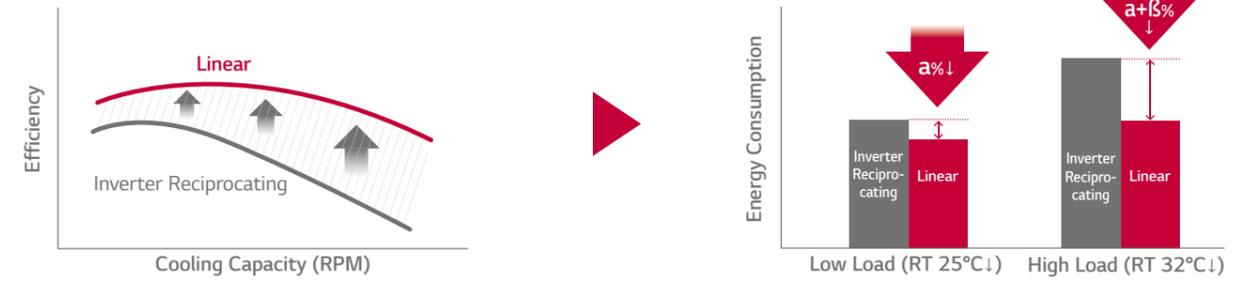
Bottom Freezer
(400 Liter ↑)



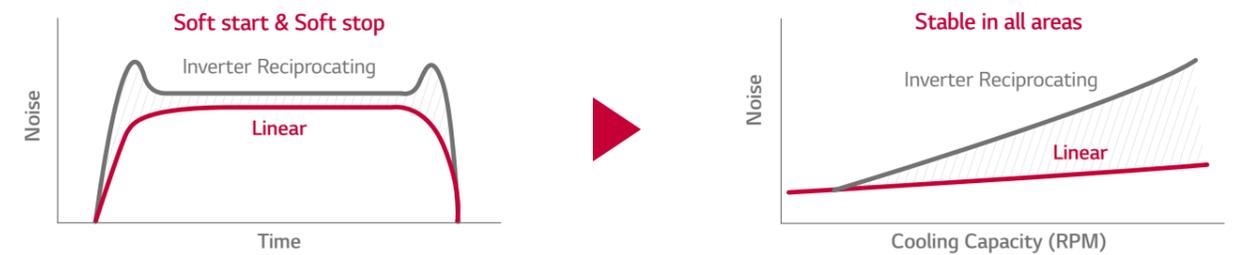
* The testing was conducted according to LG's internal lab. Results based in laboratory tests considering proper use conditions. Comparison Models are LG large inverter reciprocating compressor (BMA121NA) and LG middle reciprocating compressor (BMH089NA). The estimated results do not constitute any kind of warranty whatsoever.

BENEFITS OF LG LINEAR COMPRESSOR

LG linear compressor has better characteristics of performance than inverter reciprocating



LG linear compressor has more stable noise than Inverter Reciprocating



SPECIFICATIONS

Application : LBP (Low Back Pressure)

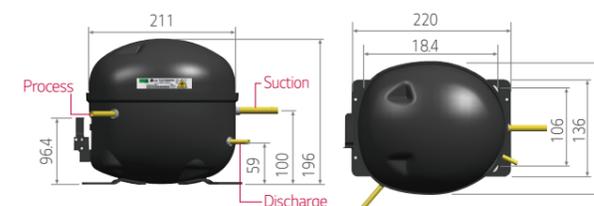
Refrigerant	Model	Magnet	Rate		Performance characteristic									Noise dBA
			Voltage V	Frequency Hz	ASHRAE		AHAM		REF condition					
					Capa` [W] CCR*	EER	Capa` [W] CCR	EER	CCR	CCR	CCR	CCR	CCR	
R600a	FLC150NAMA	Ferrite	220-240	50/60	330	8.7	280	7.9	8.1	8.1	8.1	8.1	8.0	38.0
	FLD165NAMA	Nd	220-240	50/60	350	9.4	230	8.4	8.5	8.5	8.4	8.3	37.5	
	FLD165NBMA	Nd	220-240	50/60	350	9.4	230	8.6	8.7	8.7	8.6	8.5	37.5	
	FLE165NAMA	Ferrite	220-240	50/60	350	9.1	240	8.2	8.2	8.2	8.1	8.0	37.5	
	FMA088NBMA	Nd	220-240	50/60	200	9.3	120	8.4	8.5	8.5	8.6	8.6	37.5	
	FMA102NAMA	Nd	220-240	50/60	220	9.1	150	8.3	8.4	8.4	8.5	8.4	37.5	
	FMA102NBMA	Nd	220-240	50/60	220	9.3	150	8.4	8.5	8.5	8.6	8.5	37.5	
	FMC088NAMA	Nd	220-240	50/60	180	8.2	180	7.6	7.7	7.7	7.6	7.5	37.5	
R134a	FLD090LANA	Nd	100-135	50/60	370	8.6	290	8.0	8.3	8.3	8.4	8.4	39.0	

* CCR (Cooling Capacity Ratio) : % Modulation comparing to maximum cooling capacity

Note1 : Figures in the table are subject to change without prior notice for performance improvement.

Note2 :	Test condition	Evaporating temperature	Condensing temperature
	ASHRAE	-23.3°C	54.4°C
	AHAM	-23.3°C	40.6°C
	REF Condition	-26°C	38°C

FLD



FMA

